

(1) Pioneer DreamBook UPS battery Specification:

UPS Battery size: 200 x 115 x 17 mm



Solar Panel Optional

AC / Car plug input: 12V – 24V

Battery type: Li-ion battery

Battery: 40 Watt

Voltage: 4.5V - 20V (adjusted by the in-switch card)

Output current: Max. 2A

Operation temp.: 0 -45



(2) Accessories:

- 2.1 AC adapter 12V
 - 2.2 Car adapter 12V (optional)
 - 2.3 In-Switch card - 8 cards -refer to the In-Switch card table
 - 2.4 Laptop cable connector
 - 2.5 Laptop adapter (M-type / F-type) – 9pcs
 - 2.5a,2.5b,2.5c and more -refer to adapter table
 - 2.6 Mobile cable connector
 - 2.6a Low voltage adapter
 - 2.7 Mobile cable - 4 cables (Nokia, Motorola, Sony Ericsson and Samsung)
 - 2.8 USB converse cable (iPod, iPhone and other products)
 - 2.9 Multi-function cable (PSP, Bluetooth, DVD, Camera and other products)
 - 2.10 NDS cable
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6a



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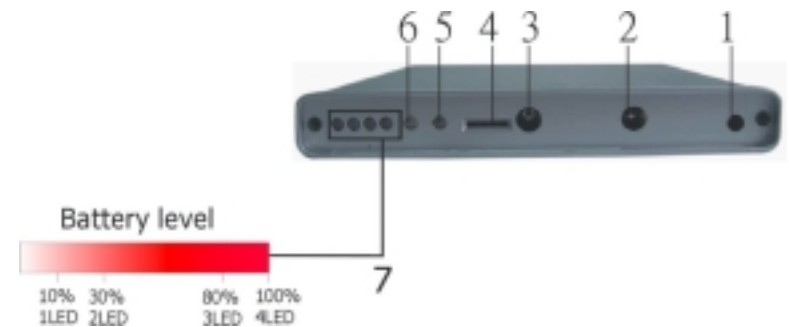
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(3) UPS Battery-Digram keys:

1. Solar input socket
2. AC/ car power input socket
3. DC output socket
4. In-Switch card socket
5. Solar input LED
6. AC/ car input LED
7. Battery level indicator- shown when in output mode.



4.2 AC/Car Adapter

- Plug the AC / Car adapter (Optional accessories 2.1 / 2.2) into the DC input socket of the UPS battery and connect the other side to the wall / car power socket.
- When charging, the AC/DC input LED will be flashing yellow.
- When the unit is fully charged, the AC/DC input LED will automatically turn off.
- It takes around 2 hours to fully charge the unit.

**Option : if power input by user A/C adapter
+F type e.g.19v take one hour**







(5) Charging your gadgets with UPS Battery

UPS BATTERY is compatible for various gadgets such as mobile phone, DC, DV, laptops and so on. Before charging your gadgets by UPS BATTERY, please make sure that you **recognize the voltage that your gadgets belong to** and then **choose the right in-switch card for your gadgets**. (See the following data):

In-Switch card –voltage	Gadget Voltage
4.5V	power to 3.7 battery or Equals to 4.5v
5.5V-6V	5.5v-6v (e.g. mobile phone, PSP , ipod, NDS, mp3 , mp4 ...)
9V	power to 7.4v DV/DC battery or Equals as 9v size battery
12V	Equals to 12v size battery and UMPC,12V DV battery,12v lighting...
14V	Equals to 14v battery and laptops under 15v
16V	16V
18V	18V
20V	20V (e.g. laptops)

5.1 Charging your Laptops:


- Choose Laptop cable connector (accessory 2.4 ) and plug it into the power socket of the UPS battery.
- Select the appropriate adapter (accessory 2.5 ) for your laptop. Plug it into to your laptop and connect to the Laptop cable connector (accessory 2.4 )
- Select the appropriate In-Switch card (accessory 2.3 ) that's suitable for the laptop and plug it in to the card socket.
- When the In Switch card has been inserted into the UPS battery, the 4 LED lights are shown to indicate the battery level. When only 2 LED lights are on, then it indicates that the power is insufficient. The LED light will automatically turn off when the power runs out.

****Remarks:** Please charge the laptop for a minimum of 15 minutes before using the laptop.

5.2 Charging your gadgets (except Laptops)

- Choose mobile cable connector (accessory 2.6V) and plug it into the power output socket of the UPS battery.
- Select the appropriate adapter (accessories 2.7-2.10) for your gadget and plug it into to your gadget and connect to the mobile cable connector (accessory 2.6V).

**Remarks: To charge low voltage gadgets such as mobile phone, mp3 and certain brands of DC's, the low voltage adapter (accessory 2.6a) should be used and connected to the mobile cable connector (accessory 2.6V) and the adapter (accessories 2.7 - 2.10)for your gadget.

- Select the appropriate In-Switch card (accessory 2.3 ) that is suitable for your gadget and plug it in to the card socket.
- When the In Switch card is inserted into the socket, the 4 LED lights indicate the battery level. When the charging is completed, the LED lights will turn off automatically.



After completion of the steps (5.1) & (5.2):

- The unit will start charging and the output LED will be flashing in green and the battery level indicator shows the battery level.
- When your gadget is fully charged, the unit stops charging automatically.
- Remove the In-Switch card to avoid losing power of the UPS battery.
- When the battery level indicator shows one or less LED light, it indicated there is insufficient power. Thus, it should be recharged.

(6) Charging /Discharging Tables

Charging Tables:

Input	Solar	around 9 hours (depending on lighting conditions)
	AC -12V	around 2 hours
	Car -12V	around 2 hours

Optional input: User's original adapter and F-Type adapter (e.g. 19v)-around 1 hour.

Discharging Tables:

	Laptop (Hour)	DV Battery (Hour)	Mobile phone (Hour)	iPod/iPhone (Hour)	PSP/NDS (Hour)
Output	Around 2 hours**	Full charged 1 hour*	Full charged 1 hour*	Full charged 1.5 hours*	Full charged 1.5 hours*

* Charging times may vary.



2.7-Nokia-001



2.7-Sony Eric-002



2.7-Samsung-004



2.7-Moto-001



2.8-Usb for ipod



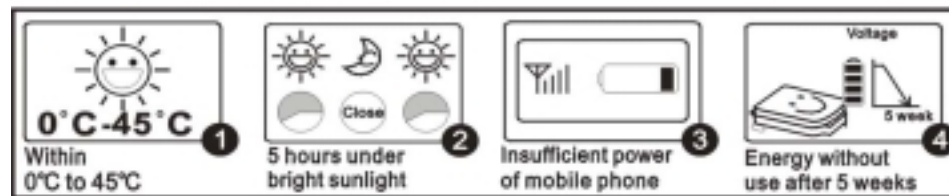
2.9-Cross adaptor



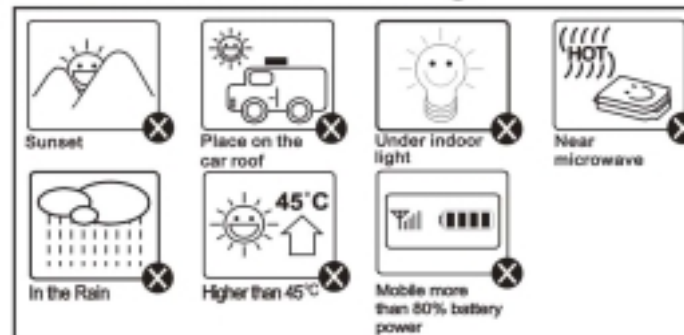
2.10-NDS

8) Charging conditions

Best situation to charge:



Situation not allow to charge



(9) Troubleshooting

Matter:	Reasons:
9.1 The solar charging LED is not on	(a) The solar panel may not be in an area with bright sunlight. (It cannot be charged in rainy or cloudy days.)
9.2 The output LED is not on when the In-Switch card is inserted.	(a) The In-Switch card may not be inserted properly or is inserted in the wrong direction. (exchange the front and back side) (b) The UPS battery is out of battery
9.3 DC input LED is not on when the AC / Car adapter is inserted.	(a) The unit is fully-charged (b) There may be problems with the AC / car adapter